

## BUREAU INTERNATIONAL DES POIDS ET MESURES

Key comparison CCTF-K001.UTC - Results  
 Degrees of equivalence  $D_k = [UTC - UTC(k)]$  for January 2021  
 Computed 2021 FEBRUARY 10, 12h UTC

Coordinated Universal Time **UTC** and its local realizations **UTC(k)** in National Metrology Institutes and Designated Institutes.

Computed values of  $[UTC - UTC(k)]$  and uncertainties valid for the period of this publication

Date 2020/21 0h UTC	JAN 5	JAN 10	JAN 15	JAN 20	JAN 25	JAN 30	Uncertainty/ns
MJD	59219	59224	59229	59234	59239	59244	
Laboratory $k$	$[UTC - UTC(k)]/ns$						$U_k$
BelGIM	0.0	0.4	1.2	1.5	0.6	1.5	24.6
BEV	-10.9	-17.9	-21.5	-23.7	-21.8	-21.2	6.6
BFKH	1881.0	1910.1	1932.9	1954.0	1981.0	2008.0	40.2
BIM	14038.5	14066.4	14108.5	14138.3	14153.2	14178.6	14.4
BMM	1140.7	1170.2	1193.4	1223.5	1251.5	1280.9	40.0
BOM	-4200.8	-4232.2	-4242.7	-4250.0	-4256.6	-4267.1	15.4
CENAM	0.7	-0.7	3.3	0.8	0.4	1.1	23.8
CENAMAP AIP	-8.8	-2.5	-9.9	-12.1	-16.0	9.7	14.8
DEF-NAT	1072.3	1304.9	1537.1	1782.7	2000.5	2236.3	40.2
DMDM	-67.0	-60.1	-60.9	-60.8	-51.2	-59.0	6.6
EIM	6.9	9.6	8.1	3.0	7.9	2.3	23.8
EMI	21.5	12.9	6.6	11.3	18.3	16.2	17.2
ESA	-1.7	-1.6	-0.9	-0.6	-0.6	-0.3	5.4
FTMC	785.5	761.9	767.7	781.4	787.1	783.1	5.8
GUM	-1.3	-0.8	0.2	1.2	2.0	3.4	5.8
ILNAS	141.1	104.3	48.4	22.1	14.7	17.1	6.0
IMBIH	0.0	-1.2	0.4	-1.4	-3.5	-1.8	5.8
INACAL	-127.3	-127.4	-143.0	-146.7	-170.6	-163.8	41.2
INM	-4411.9	-4759.4	-5109.2	-5456.5	-5805.6	-6154.5	14.8
INM(CO)	-9.6	-16.0	-12.3	-11.6	-12.8	-14.7	40.2
INMETRO	-3.9	-10.5	-13.5	-16.7	-19.4	-27.9	40.0
INPL	26.2	25.4	24.2	20.7	18.4	14.7	14.4
INRIM	0.3	-0.1	-0.1	0.2	0.3	0.2	2.8
INTI	44.8	55.4	37.3	22.3	23.5	-2.9	41.2
IPE/ASCR	34.6	24.7	18.3	10.6	3.8	10.6	5.6
IPQ	267.2	262.7	263.4	270.7	279.2	275.0	40.0

JV	0.2	-1.6	12.3	18.1	23.6	18.2	8.4
KRISS	5.4	6.1	6.0	5.7	5.4	5.5	6.2
LACOMET	-11.0	-15.4	-4.9	9.9	9.0	20.6	40.4
LATMB	-274.8	-292.3	-302.9	-314.7	-307.7	-316.3	24.6
LNE-SYRTE	-0.6	-0.7	-0.5	0.0	-0.4	-0.2	2.6
MASM	-809.3	-816.8	-818.5	-820.7	-813.3	-805.0	5.6
METAS	31.6	41.1	38.3	26.1	18.2	12.5	5.0
MIKES	7.5	7.3	7.0	6.5	5.7	5.2	5.4
MIRS/SIQ/Metrology	293.6	331.1	336.2	360.2	369.5	379.8	7.4
MSL	-3.6	-8.6	-12.2	-7.6	-18.8	-22.6	40.2
MUSSD	79.8	72.4	64.0	66.8	72.6	-	5.6
NICT	4.8	6.1	6.5	5.4	5.8	6.1	4.2
NIM	1.0	1.4	1.7	1.6	1.4	1.3	4.2
NIMT	-	-	-	-	-	-	-
NIS	-43.5	-37.9	-	-	-	-	40.0
NIST	-1.0	-0.9	-1.0	-0.8	-0.5	0.2	4.2
NMC, A*STAR	4.1	7.0	17.9	0.7	-10.2	-6.9	5.8
NMIA	-440.1	-443.0	-435.3	-433.3	-437.8	-450.0	22.4
NMIJ AIST	-3.0	-3.2	-1.9	-1.6	1.0	2.2	6.6
NMIM	-1660.3	-1633.8	-1606.8	-1574.7	-1550.4	-1524.2	7.2
NMISA	1.1	1.5	1.5	2.5	4.0	0.2	5.6
NPL	-1.8	-2.0	-2.7	-0.4	0.8	0.9	5.4
NPLI	-0.8	-1.2	-0.9	-0.6	-0.2	0.2	5.6
NRC	1.9	3.3	4.8	6.3	8.2	8.8	6.0
NSAI NML	-171.3	-174.8	-174.6	-183.6	-186.8	-199.5	14.4
NSC IM	-2.7	-9.1	-12.4	-13.7	-10.6	-13.9	15.4
ON/DSHO	0.2	-5.3	-0.1	-1.0	5.1	-1.5	40.0
PTB	-2.3	-2.3	-2.1	-1.6	-1.3	-0.8	1.6
RISE	-0.9	-0.8	-0.5	-0.3	-0.5	-0.3	2.6
ROA	-3.0	-3.4	-2.1	-2.2	-2.2	-2.2	2.8
SASO	-1967.1	-1978.5	-1995.5	-1999.9	-2008.9	-2022.1	6.2
SCL	28.2	34.7	45.7	60.6	65.5	71.9	6.2
SMD	1.5	-2.9	-1.1	-7.3	-3.8	-5.3	6.2
SMU	17.9	14.0	16.7	24.6	41.6	55.8	24.6
SNSU-BSN	2535.3	2538.1	2536.5	2537.9	2541.5	2559.7	5.6
TL	0.5	0.7	0.8	0.3	-0.4	-0.8	4.4
UME	-10.2	-9.5	-7.8	-7.3	-7.1	-4.5	6.6
VMI-STAMEQ	-24.0	-25.1	-20.2	-2.8	11.6	15.1	14.2
VNIFTRI	-0.5	-0.4	0.0	0.0	-0.1	0.0	4.0
VSL	1.2	7.9	1.2	-8.7	-2.0	2.9	4.0